ELSEVIER

www.elsevier.nl/locate/jorganchem

Journal of Organometallic Chemistry 597 (2000) 213–214

Journal of Organometallic Chemistry

Contents of Volume 597

Special double issue: Dedicated to Professor Stanisław Pasynkiewicz on the occasion of his 70th birthday. Guest Editor: Antoni Pietrzykowski

Introduction
A. Pietrzykowski 1

Syntheses of some bulky alkylalanes and alkyltrihydroaluminates: crystal structures of $[Li(THF)_2AlH_3C(SiMe_3)_2(SiMe_2NMe_2)]_2$, $Li(THF)_2Al_2H_5\{C(SiMe_3)_3\}_2$, $(Me_3Si)_3CAlH_2{\cdot}THF$ and the pyrazolato derivative $[LiAlH(C_3H_3N_2)_2C(SiMe_3)_3]_2$ (THF = tetrahydrofuran)
C. Eaborn, S.M. El-Hamruni, M.S. Hill, P.B. Hitchcock, M. Hopman, A. Le Gouic, J.D. Smith 3

Synthesis, characterization and decomposition behavior of novel acyl(hydrido)platinum(IV) complexes
D. Steinborn, A. Vyater, C. Bruhn, M. Gerisch, H. Schmidt 10

(η^5-Cyclopentadienyl)$Fe(CO)_2$ complexes of barbiturate anions
B. Rudolf, J. Zakrzewski 17

Molecular structure and properties of the rhodium(II) complexes with chemilabile ether–phosphine ligands $P(2\text{-}MeOC_6H_4)_3$ and $P(2,6\text{-}(MeO)_2C_6H_3)_3$
F.P. Pruchnik, R. Starosta, M.W. Kowalska, E. Gałdecka, Z. Gałdecki, A. Kowalski 20

Sterically crowded aryloxides of aluminum: intramolecular coordination of bidentate ligands
J.A. Francis, S.G. Bott, A.R. Barron 29

Cyanide-bridged tetranuclear complexes with T-shaped $Pt(CN\text{–}M)_3$ arrangements
G.N. Richardson, H. Vahrenkamp 38

Intramolecular versus intermolecular mechanism of metallotropic rearrangements of chiral chromium tricarbonyl complexes of substituted naphthalenes and other polyaromatic compounds investigated by chiral HPLC of its racemic mixtures
Y. Oprunenko, S. Malyugina, P. Nesterenko, D. Mityuk, O. Malyshev 42

Mercury derivatives of *exo-nido*-ruthenacarborane
I.A. Lobanova, V.I. Bregadze, S.V. Timofeev, P.V. Petrovskii, Z.A. Starikova, F.M. Dolgushin 48

Analogies between Group 13 metal clusters in organometallic and intermetallic structures
R.B. King, G.H. Robinson 54

Oxo and imido/imido exchange and C–H activation reactions based on pentamethylcylopentadienyl imido tantalum complexes
P. Royo, J. Sánchez-Nieves 61

New insight into role of *ortho*-metallation in rhodium triphenylphosphite complexes. Hydrogen mobility in hydrogenation and isomerization of unsaturated substrates
A.M. Trzeciak, J.J. Ziółkowski 69

Halophilic reactions of pentafluorohalobenzenes with transition-metal carbonyl anions
V.A. Ivushkin, P.K. Sazonov, G.A. Artamkina, I.P. Beletskaya 77

Molecular structure and conformational composition of decamethyl-*n*-tetrasilane, Si_4Me_{10}, by gas electron diffraction and density functional theory calculations
A.V. Belyakov, A. Haaland, D.J. Shorokhov, R. West 87

Komplexkatalyse LVI: Zur Kation-Anion-Wechselwirkung in den C_{12}-Allylnickel(II)-Komplexen $[Ni(\eta^3,\eta^2,\eta^2\text{-}C_{12}H_{19})]X$ als Steuergröße für die Katalyse der stereospezifischen Butadienpolymerisation. Synthese des Tetrakis(pentafluorphenyl)borats ($X = B(C_6F_5)_4$) und Charakterisierung des Tetrafluoroborats sowie des Trifluor-methansulfonats ($X = BF_4$, CF_3SO_3) durch Röntgenkristallstrukturanalyse und Leitfähigkeitsmessungen
R. Taube, J. Langlotz, J. Sieler, T. Gelbrich, K. Tittes 92

Synthesis and structural characterization of polymeric dimethylaluminum phenylthiolate
P.M. Dickson, J.P. Oliver 105

Reactions of the Si–H bonds in tetrakis(dimethylsilyl)methane and silane
A. Kowalewska, P.D. Lickiss, R. Lucas, W.A. Stańczyk 111

1-Azadienes as bridging ligands in nickel(0) complexes of the type $[(1\text{-aza-1.3-diene})Ni(L)]_2$ (L = 1-aza-1.3-diene, alkyne, triphenylphosphine)
D. Walther, C. Fugger, H. Görls 116

Biscyclopentadienylzirconium(IV) η^3-propargyl/allenyl complexes
P.W. Blosser, J.C. Gallucci, A. Wojcicki 125

Reactions of nickelocene with sodium in the presence of terminal alkenes
A. Pietrzykowski, P. Buchalski, L.B. Jerzykiewicz 133

Bidentate ferrocenylphosphines and their palladium(II)dichloride complexes — X-ray structural and NMR spectroscopic investigations and first results of their characteristics in the Pd-catalysed cooligomerisation of 1,3-butadiene with CO_2
A.R. Elsagir, F. Gaßner, H. Görls, E. Dinjus 139

Reactions of methyl-substituted titanocene–bis(trimethylsilyl)acetylene complexes with acetone azine: crystal structures of $(\eta^5{:}\eta^1\text{-}C_5HMe_3CH_2CMe_2NH)_2Ti$ and $(C_5Me_5)_2Ti(N{=}CMe_2)$
M. Rep, J.-W.F. Kaagman, C.J. Elsevier, P. Sedmera, J. Hiller, U. Thewalt, M. Horáček, K. Mach 146

Syntheses and reactions of some new C-pentafluorophenyl and tetrafluorophenylene carborane systems
A.S. Batsanov, M.A. Fox, J.A.K. Howard, K. Wade 157

X-ray structure and fluxional behaviour of *N,N'*-di-*p*-fluorophenyltriazenido complex of nickel(II)
A.S. Peregudov, D.N. Kravtsov, G.I. Drogunova, Z.A. Starikova, A.I. Yanovsky 164

Catalysis of hydrosilylation: Part XXXIV. High catalytic efficiency of the nickel equivalent of Karstedt catalyst $[\{Ni(\eta\text{-}CH_2{=}CHSiMe_2)_2O\}_2\{\mu\text{-}(\eta\text{-}CH_2{=}CHSiMe_2)_2O\}]$
H. Maciejewski, B. Marciniec, I. Kownacki 175

Activation of CH_4 and H_2 by zirconium(IV) and titanium(IV) cationic complexes. Theoretical DFT study
Y.A. Ustynyuk, L.Y. Ustynyuk, D.N. Laikov, V.V. Lunin 182

Catalyzed reaction of triethylborane with pyrazole
M. Dąbrowski, S. Luliński, I. Madura, J. Serwatowski, J. Zachara 190

Synthesis and molecular structures of $Co_2(CO)_{6-n}(PPh_3)_n[\mu\text{-}C_2(CH_2R)_2]$ (R = CH_2OH or CH_2SCMe_3) derivatives containing chelated $[CpFe(CO)_2]_2Sn$ or $W(CO)_4$ fragments
A.A. Pasynskii, Y.V. Torubaev, F.S. Denisov, A.Y. Lyakina, R.I. Valiullina, G.G. Alexandrov, K.A. Lyssenko 196

Benzhydroximic acids — NMR study of trimethylsilyl derivatives
J. Schraml, M. Kvíčalová, L. Soukupová, V. Blechta, O. Exner 200

Author Index of Volume 597 207
Subject Index of Volume 597 209
Contents of Volume 597 213